

EXHIBIT 1

Region 1 – North Coast Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Navarro River	<p><u>Temperature</u>: Off-stream storage, roof top catchment systems, water use efficiency projects, and any other water conservation measures to reduce summer diversions/ increase summer flows.</p> <p><u>Sediment</u>: Sediment source reduction projects for roads.</p> <p><u>Sediment/Temperature</u>: Riparian planting. Farm and/or vineyard water quality management plan development, implementation, and/or monitoring. Development of third party farm and/or vineyard water quality management programs.</p>	<p><u>Temperature</u>: Coordinated diversion planning to ensure adequate flows and temperatures to sustain beneficial uses.</p> <p><u>Sediment</u>: Develop erosion control plans to address sediment pollution associated with agricultural activities, grazing, rural roads, and forest lands.</p> <p><u>Sediment/Temperature</u>: Develop plans to address sedimentation issues in the riparian zone through restoration actions, such as: streambank stabilization through bioengineering, increasing instream habitat complexity, introduction of large woody material, and regeneration of native plant communities.</p>
Elk River	<p><u>Sediment</u>: Upper watershed sediment control and large wood sediment catchment projects. Lower watershed projects to reduce sediment catchment/ retention.</p>	<p><u>Sediment</u>: Develop sediment remediation action plan based on implementation framework, locations and design of identified feasible implementation projects to reduce sediment accumulation and to remove accumulated sediment in the lower watershed.</p>
South Fork Eel River	<p><u>Temperature</u>: Off-stream storage, roof top catchment systems, water use efficiency projects, and any other water conservation measures to reduce summer diversions/ increase summer flows.</p> <p><u>Sediment</u>: Sediment source reduction projects for roads.</p> <p><u>Sediment/Temperature</u>: Riparian planting, implementation projects intended to reduce watershed impacts associated with agriculture activities.</p>	<p><u>Temperature</u>: Coordinated diversion planning to ensure adequate flows and temperatures to sustain beneficial uses.</p> <p><u>Sediment/Temperature</u>: Planning, assessment, monitoring, and/or education/outreach efforts intended to reduce watershed impacts associated with agriculture activities.</p>

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¹ Projects located within an area covered by a National Pollutant Discharge Elimination System (NPDES) permit, including urban, area-wide storm water programs covering discharges from a Municipal Separate Stormwater Sewer System (MS4), and general industrial and construction storm water permits, are not, under most circumstances, eligible for Clean Water Act Section 319(h) funding. For questions regarding eligibility, please contact the appropriate Regional Water Quality Control Board (Regional Water Board) and U.S. Environmental Protection Agency (U.S. EPA) staff (see Attachment 2).

EXHIBIT 1

Region 2 – San Francisco Bay Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Tomales Bay (including tributaries)	<u>Pathogens</u> : Implement management practices (MPs) according to ranch water quality plans (RWQPs) (grazing and dairy waiver requirements).	<u>Pathogens</u> : Water quality monitoring in Tomales Bay, including West Shore, East Shore, and tributaries, to identify specific pathogen sources, including septic and animal waste [i.e. grazing/horse ranch facilities] that will lead to prioritizing actions for source reduction. <u>Pathogens</u> : Implement Riparian Zone Monitoring Plan to evaluate conservation project effectiveness implemented in the riparian zone, improve MPs performance, and develop priorities for riparian zone restoration to reduce pathogen delivery to creeks and reduce creek temperatures.
Walker Creek	<u>Mercury</u> : Implement MPs according to RWQPs (grazing and dairy waiver requirements).	
Sonoma Creek	<u>Sediment</u> : Develop and implement vineyard management plans, including assisting the development of third party or technical assistance programs to assist with farm/vineyard plan development and implementation.	<u>Sediment</u> : Develop third party or technical assistance programs to assist with farm/vineyard plan development. Develop vineyard management plans.
Napa River	<u>Sediment</u> : Develop and implement sediment control and habitat enhancement actions: including developing third party or technical assistance programs to assist with farm/vineyard plan development and implementation.	<u>Sediment</u> : Develop third party or technical assistance programs to assist with farm/vineyard plan development and/or to evaluate MP performance in pilot areas or basin-wide.
	<u>Sediment</u> : Implement vineyard management plans.	<u>Sediment</u> : Develop vineyard management plans.
	<u>Sediment</u> : Develop and implement rural road sediment reduction plans.	<u>Sediment</u> : Develop rural road sediment reduction plans.

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Region 2 – San Francisco Bay Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Guadalupe River (including tributaries)	<u>Mercury</u> : Mining waste remediation and erosion control including development and implementation of remediation plans for Senador Mine.	<u>Mercury</u> : Planning, design, and prioritization for bank stabilization, calcine removal where feasible, and restoration of Alamitos Creek.
	<u>Mercury</u> : Stream bank stabilization.	

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EXHIBIT 1

Region 3 – Central Coast Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Salinas River	<p><u>Fecal Coliform</u>: Identify and outreach to owners/operators of grazing lands and rural properties to inform them of the Prohibition² and its requirements or per the Rangeland Plan³ as applicable, and implement management measures (MMs) in some or all of the priority TMDL subwatersheds (e.g. Reclamation Canal drainage, including Reclamation Canal and its upstream tributaries, Gabilan Creek, Santa Rita Creek, and/or Natividad Creek; and Lower San Antonio River, Cholame Creek, and/or San Lorenzo Creek) to reduce bacterial discharges to impaired waterbodies.</p> <p><u>Nutrients</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Moro Cojo Slough, Blanco, Old Salinas River/Tembladero and its upstream tributaries [i.e., Reclamation Canal, Gabilan Creek, Santa Rita Creek, Natividad Creek, Espinosa Slough, Alisal Slough, and/or Merrit Ditch] and in Quail Creek and/or Chular Creek) to reduce nutrient discharges to impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p> <p><u>Pesticides</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Old Salinas River, Tembladero, Salinas Reclamation, Alisal, and/or Quail) to reduce toxicity and pesticide discharges to impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p>	<p><u>Fecal Coliform</u>: Develop TMDL Implementation Strategy for priority TMDL subwatersheds.</p>

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Region 3 – Central Coast Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Pajaro River	<p><u>Fecal Coliform</u>: Identify and outreach to owners/operators of grazing lands and rural properties to inform them of the Prohibition² and its requirements, and implement MMs in some or all of the priority TMDL subwatersheds (e.g. Tres Pinos, San Benito, Pacheco, Tequisquita, and/or Watsonville) to reduce bacterial discharges to impaired waterbodies.</p> <p><u>Nitrate</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. San Juan, Pajaro, Salsipuedes, and/or Pinto) to reduce nutrient discharges to impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p> <p><u>Sediment</u>: Identify and outreach to owners/operators of grazing lands, roads, and rural properties to inform them of the Prohibition² and its requirements, and implement MMs and anadromous fisheries restoration projects in some or all of the priority TMDL subwatersheds (e.g. Llagas Creek, Pajaro, and/or San Benito) to reduce sediment discharges to impaired waterbodies.</p> <p><u>Pesticides</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Pajaro, Llagas downstream of reservoir) to reduce toxicity and pesticide discharges to impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p>	

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Region 3 – Central Coast Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Morro Bay	<p><u>Fecal Coliform</u>: Identify and outreach to owners/operators of grazing lands and rural properties to inform them of the Prohibition² and its requirements, and implement MMs in some or all of the priority TMDL subwatersheds (e.g. Chorro, and/or Los Osos) to reduce bacterial discharges to impaired waterbodies; implement MMs in the bay to reduce bacterial discharges to the Morro Bay Estuary.</p> <p><u>Sediment</u>: Identify and outreach to owners/operators of grazing lands, roads, and rural properties to inform them of the Prohibition² and its requirements, and implement MMs and anadromous fisheries restoration projects in some or all of the priority TMDL subwatersheds (e.g. Chorro, and/or Los Osos) to reduce sediment discharges to impaired waterbodies.</p>	
Santa Maria River / Oso Flaco Creek	<p><u>Fecal Coliform</u>: Identify and outreach to owners/operators of grazing lands and rural properties to inform them of the Prohibition² and its requirements, and implement MMs in some or all of the priority TMDL subwatersheds (e.g. Orcutt, Alamo, Nipomo, Cuyama, Bradley Canyon, and/or Santa Maria) to reduce bacterial discharges to impaired waterbodies.</p> <p><u>Nutrients/Dissolved Oxygen</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Oso Flaco, Orcutt, and/or Lower Santa Maria) to reduce nutrient discharges to impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p> <p><u>Salts</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Oso Flaco, Orcutt, and/or Lower Santa Maria) to reduce nutrient discharges to impaired waterbodies.</p> <p><u>Pesticides</u>: Implement MMs in some or all of the priority TMDL subwatersheds (e.g. Oso Flaco, Orcutt, and/or Lower Santa Maria) to reduce toxicity, pesticide, and sediment discharges to/in impaired waterbodies; demonstrate co-management of water quality and food safety in impaired reaches.</p>	

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Region 3 – Central Coast Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Los Berros Creek	<u>Nitrate</u> : Implement agricultural MMs to reduce nutrient discharges to impaired waterbodies.	

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². Domestic Animal Waste Discharge Prohibition; Central Coast Regional Water Quality Control Plan, Chapter 5, Section IV.B. (R3-2010-17)

³. California Rangeland Water Quality Management Plan (State Water Resources Control Board Resolution No 1995-0043)

EXHIBIT 1

Region 4 – Los Angeles Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s), Sources	Planning Projects TMDL Constituent(s), Sources
Calleguas Creek	<p><u>Constituents:</u> Nutrients, salts, metals, pesticides and PCBs.</p> <p><u>Sources:</u> Irrigated agriculture.</p> <p><u>Preferred projects:</u> At individual farms or regional sites - sediment retention management practices (MPs), infiltration MPs, biofiltration MPs, tile drain treatment facilities, irrigation management, and nutrient management.</p>	
Santa Clara River	<p><u>Constituents:</u> Nutrients, salts, pesticides, and bacteria.</p> <p><u>Sources:</u> Irrigated agriculture, horses/livestock, and onsite wastewater treatment systems (OWTS).</p> <p><u>Preferred projects for irrigated agriculture:</u> At individual farms or regional sites - sediment retention MPs, infiltration MPs, biofiltration MPs, tile drain treatment facilities, irrigation management, and nutrient management.</p> <p><u>Preferred projects for horses/livestock:</u> Runoff reduction MPs, sediment retention MPs, and manure management.</p> <p><u>Preferred projects for onsite wastewater treatment systems:</u> Upgrades to supplemental treatment systems to comply with State Water Board OWTS Policy for Tier 3.</p>	<p><u>Constituents:</u> Nutrients and bacteria.</p> <p><u>Sources:</u> Horses/livestock and OWTS.</p> <p><u>Preferred projects for horses/livestock:</u> Plans to identify horse and livestock facilities in watershed and estimate existing loads and required load reductions from horses/livestock to meet TMDLs.</p> <p><u>Preferred projects for onsite wastewater treatment systems:</u> Inventory of OWTS in watershed, estimate existing loads and required load reductions from OWTS to meet TMDLs.</p>

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Region 4 – Los Angeles Regional Water Board CWA 319(h) Grant Preferences (2014)¹

McGrath Lake	<p><u>Constituents:</u> Pesticides and PCBs.</p> <p><u>Sources:</u> Irrigated agriculture.</p> <p><u>Preferred projects:</u> At individual farms or in Central Ditch - sediment retention MPs, infiltration MPs, biofiltration MPs, tile drain treatment facilities, irrigation management, and nutrient management.</p>	
Ventura River	<p><u>Constituents:</u> Nutrients</p> <p><u>Sources:</u> Irrigated agriculture, horses/livestock, and OWTS.</p> <p><u>Preferred projects for irrigated agriculture:</u> At individual farms or regional sites - sediment retention MPs, infiltration MPs, biofiltration MPs, tile drain treatment facilities, irrigation management, and nutrient management.</p> <p><u>Preferred projects for horses/livestock:</u> Runoff reduction MPs, sediment retention MPs, and manure management.</p> <p><u>Preferred projects for onsite wastewater treatment systems:</u> Upgrades to supplemental treatment systems to comply with SWRCB OWTS Policy for Tier 3.</p>	<p><u>Constituents:</u> Nutrients</p> <p><u>Sources:</u> Horses/livestock and OWTS.</p> <p><u>Preferred projects for horses/livestock:</u> Plans to identify horse and livestock facilities in watershed and estimate existing loads and required load reductions from horses/livestock to meet TMDLs.</p> <p><u>Preferred projects for onsite wastewater treatment systems:</u> Inventory of OWTS in watershed, estimate existing loads and required load reductions from OWTS to meet TMDLs.</p>

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EXHIBIT 1

Region 5 – Central Valley Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Sacramento-San Joaquin Delta	<p><u>Mercury</u>: Implement management practices (MPs) to minimize methylmercury production and discharge from irrigated agriculture, managed wetlands, and open water in the Delta and Yolo Bypass.</p> <p><u>Chlorpyrifos/diazinon</u>: Implement MPs in priority TMDL subwatersheds (i.e. Lone Tree Creek, French Camp Slough, Duck Creek, Duck Slough, Ulati Creek, Bear Creek, Cache Slough, Mosher Creek/Mosher Slough, Mokelumne River, Mosher Slough, Old River, Pixley Slough, Sand Creek, and/or Shag Slough) to reduce toxicity and pesticide discharges to impaired waterbodies; implement MPs according to Irrigated Lands Regulatory Program (ILRP) management plans.</p>	<p><u>Mercury</u>: Identify and prioritize methylmercury sources and develop MPs to minimize methylmercury production and discharge from irrigated agriculture, managed wetlands, and open water in the Delta and Yolo Bypass.</p>
San Joaquin River (SJR)	<p><u>Chlorpyrifos/diazinon</u>: Implement MPs in priority TMDL subwatersheds (i.e. Ash Slough, Berend Creek/Berenda Slough, Deadman Creek, Del Puerto Creek, Dry Creek, Duck Slough, Harding Drain, Highline Canal, Ingram Creek, Merced River, Mustang Creek, Newman Wasteway, Orestimba Creek, Salt Slough, Stanislaus River, Lower Tuolumne River, and/or Westley Wasteway) to reduce toxicity and pesticide discharges to impaired waterbodies; implement MPs according to ILRP management plans.</p> <p><u>Salt</u>: Implement a real-time water quality management program for the entire SJR basin to export the maximum amount of salt out of the basin while at the same time meeting the electro conductivity water quality objectives.</p>	<p><u>Salt</u>: Conduct a real-time water quality management program study and develop a preliminary real-time monitoring program plan to determine baseline conditions and identify areas that will need more refined monitoring.</p>

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Region 5 – Central Valley Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
	<p><u>Dissolved oxygen</u>: Implement the operation of the dissolved oxygen aeration facility in the Stockton Deep Water Ship Channel (DWSC) to control the flux of oxygen demanding substances entering from the upstream watershed.</p> <p>Implement MPs in upstream watershed (lower SJR and tributaries) to reduce nutrient discharges (aqueous and sediment-bound) upstream of the impaired reach of the Stockton DWSC; implement MPs according to ILRP management plans.</p> <p><u>Selenium</u>: Implement activities that reduce the discharge of subsurface agricultural drainage from the Grassland Watershed to the SJR. Examples of such activities are described in the Westside Regional Drainage Plan.</p>	<p><u>Dissolved oxygen</u>: Design a monitoring plan to determine the most efficient operation of the Stockton DWSC aeration device. Develop MPs to reduce nutrient discharge (aqueous and sediment-bound) from irrigated agriculture.</p>
Clear Lake	<p><u>Mercury</u>: Implement MPs to minimize erosion and transport of mercury-contaminated sediments.</p> <p><u>Nutrients</u>: Implement nutrient and sediment control projects with priority given to projects in the Scotts Creek watershed; implement MPs according to the ILRP management plans.</p>	<p><u>Mercury</u>: Identify and prioritize mercury hot-spots and activities that cause increased erosion from these areas and develop management plans to reduce the erosion and transport of mercury-contaminated sediments.</p> <p><u>Nutrients</u>: Identify and prioritize ambient and natural sources of nutrient impairment.</p>
Sacramento River	<p><u>Chlorpyrifos/diazinon</u>: Implement MPs in priority TMDL subwatersheds (Bear River/Lower, Butte Creek/Butte Slough, Sutter Basin/Sacramento Slough, Coon Creek, Colusa Basin, Gilsizer Slough, Jack Slough, Live Oak Slough, Main Drainage Canal,</p>	

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Region 5 – Central Valley Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
	Natomas East Main Drainage Canal/Steelhead Creek, Spring Creek, Stony Creek, Wadsworth Canal, Yankee Slough) to reduce toxicity and pesticide discharges to impaired waterbodies; implement MPs according to ILRP management plans.	
Cache Creek	<u>Mercury</u> : Implement MPs to minimize erosion and transport of mercury-contaminated sediments.	<u>Mercury</u> : Identify and prioritize mercury hot-spots and activities that cause increased erosion from these areas and develop management plans to reduce the erosion and transport of mercury-contaminated sediments.

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EXHIBIT 1

Region 6 – Lahontan Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Blackwood Creek	<p><u>Constituents:</u> Nutrients, sediment</p> <p><u>Preferred Projects:</u> Implement management measures (MMs) to reduce nutrient and sediment discharges such as watershed restoration, enhancement, protection projects targeting nutrients and sediment; riparian restoration, and stream bank stabilization projects to reduce sediment and nutrient sources.</p>	<p><u>Constituents:</u> Nutrients, sediment</p> <p><u>Preferred Projects:</u> Post-restoration monitoring for effectiveness.</p>
Indian Creek Reservoir	<p><u>Constituents:</u> Nutrients</p> <p><u>Preferred Projects:</u> Implement MMs to reduce nutrient discharges such as watershed restoration, enhancement, protection projects targeting nutrients; engineered nutrient treatment/removal (passive or active) projects; pilot scale, or full scale implementation, nutrient management/control projects.</p>	<p><u>Constituents:</u> Nutrients</p> <p><u>Preferred Projects:</u> Assessment of watershed for external phosphorus loading sites and suggested management practices (MPs) for phosphorus control.</p>
Squaw Creek	<p><u>Constituents:</u> Sedimentation</p> <p><u>Preferred Projects:</u> Implement MMs to reduce sediment discharges such as watershed restoration, enhancement, protection projects targeting sediment; riparian restoration, and stream bank stabilization projects to reduce sediment sources.</p>	<p><u>Constituents:</u> Sedimentation</p> <p><u>Preferred Projects:</u> Planning, design, and prioritization for bank stabilization.</p>
Tahoe, Lake	<p><u>Constituents:</u> Nutrients, fine sediment.</p> <p><u>Preferred Projects:</u> Implement MMs to reduce nutrient and fine sediment discharges such as watershed restoration, enhancement, protection projects targeting nutrients and fine sediment.</p>	<p><u>Constituents:</u> Nutrients, fine sediment.</p> <p><u>Preferred Projects:</u> Planning and design for watershed restoration, enhancement, and protection projects targeting nutrients and fine sediment.</p>
Truckee River (Martis, Bronco and Gray Creeks)	<p><u>Constituents:</u> Sediment</p> <p><u>Preferred Projects:</u> Implement MMs to reduce sediment discharges in reach of river from Lake Tahoe dam through Town of Truckee such as watershed</p>	<p><u>Constituents:</u> Sediment</p> <p><u>Preferred Projects:</u> For Martis Creek bioassessment, turbidity continuous sampling, and California Rapid</p>

EXHIBIT 1

Region 6 – Lahontan Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
	restoration, enhancement, and protection projects targeting sediment; riparian restoration, and stream bank stabilization projects to reduce sediment sources.	Assessment Monitoring (CRAM) to inform TMDL implementation. Planning and design for watershed restoration projects.
Truckee River, Upper	<u>Constituents:</u> Nutrients <u>Preferred Projects:</u> Implement MMs to reduce nutrient discharges such as watershed restoration, enhancement, protection projects targeting nutrients; riparian restoration, and stream bank stabilization projects to reduce nutrient sources.	<u>Constituents:</u> Nutrients <u>Preferred Projects:</u> Planning, design, and prioritization for bank stabilization.
Ward Creek	<u>Constituents:</u> Nutrients, sediment. <u>Preferred Projects:</u> Implement MMs to reduce nutrient and sediment discharges such as watershed restoration, enhancement, protection projects targeting nutrients and sediment; riparian restoration, and stream bank stabilization projects to reduce sediment and nutrient sources.	<u>Constituents:</u> Nutrients, sediment. <u>Preferred Projects:</u> Planning, design, and prioritization for bank stabilization.

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EXHIBIT 1

Region 7 – Colorado River Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Alamo River (International Boundary to Salton Sea)	<u>Sediment</u> : Develop and implement TMDL-required Water Quality Management Plans (WQMPs) and other management measures (MMs) for agricultural drain discharges to reduce pollutants in impaired water bodies.	<u>Sediment</u> : Develop TMDL-required WQMPs.
New River (Measure W watershed)	<p><u>Sediment</u>: Develop and implement TMDL-required WQMPs and other MMs for agricultural drain discharges to reduce pollutants in impaired water bodies.</p> <p><u>Bacteria, trash, and dissolved oxygen</u>: Develop and implement projects contained in the Strategic Plan: New River Improvement Project.</p>	<p><u>Sediment</u>: Develop TMDL-required WQMP.</p> <p><u>Bacteria, trash, and dissolved oxygen</u>: Develop projects contained in the Strategic Plan: New River Improvement Project.</p>
Imperial Valley Drains	<u>Sediment</u> : Develop and implement TMDL-required WQMPs and other MMs for agricultural drain discharges to reduce pollutants in impaired water bodies.	<u>Sediment</u> : Develop TMDL-required WQMP.
Coachella Valley Storm Channel	<u>E.coli</u> : Develop and implement TMDL-required WQMPs and other MMs to reduce pollutants in impaired water bodies.	<u>E.coli</u> : Develop TMDL-required WQMPs.

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EXHIBIT 1

Region 8 – Santa Ana Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
San Diego Creek Reach 1 (Measure W watershed)	<p><u>Metals, organophosphate compounds, organochlorine compounds, nutrients, sediments, pathogens, selenium:</u></p> <p>Implement projects to control ambient and 'natural' sources of impairments; implement sediment source control projects in undeveloped, open-space watersheds upstream of MS4 system.</p>	<p><u>Metals, pesticides, organochlorine compounds, nutrients, sediment, pathogens, selenium:</u></p> <p>Investigation of ambient and natural sources of impairments; evaluation of pollutants associated with non-point sediment sources.</p>
San Diego Creek Reach 2 (Measure W watershed)	<p><u>Metals, organophosphate compounds, organochlorine compounds, nutrients, sediments, pathogens, selenium:</u></p> <p>Implement projects to control ambient and 'natural' sources of impairments; implement sediment source control projects in undeveloped, open-space watersheds upstream of MS4 system.</p>	<p><u>Metals, pesticides, organochlorine compounds, nutrients, sediment, pathogens, selenium:</u></p> <p>Investigation of ambient and natural sources of impairments; evaluation of pollutants associated with non-point sediment sources.</p>
Big Bear Lake	<p><u>Nutrients (and sediment to which nutrients bind):</u></p> <p>Implement nutrient and sediment control and source control BMPs in undeveloped, open-space and in watersheds upstream of MS4 system. Expand/ enlarge the existing hypolimnetic oxygenation system (HOS) to further control flux of nutrients from lake sediment into water column.</p>	<p><u>Nutrients (and sediment to which nutrients bind):</u></p> <p>Management practice (MP) implementation plan, including site selection, recommended MPs, and site and MP priorities.</p> <p>Catalogue existing plans and reports into a planning document that conforms to U.S. EPA's Nine-Key Elements of a Watershed Plan.</p>

EXHIBIT 1

Region 8 – Santa Ana Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s)	Planning Projects TMDL Constituent(s)
Big Bear Lake	<p><u>Mercury (and methyl mercury, which is more bio-available):</u></p> <p>Implement mercury load reduction MPs or methylation reduction strategies in the lake and/or watershed (in undeveloped, open space watersheds upstream of MS4 system).</p>	
Canyon Lake	<p><u>Nutrients:</u></p> <p>Implement a control program that could include hypolimnetic oxygenation system in combination with alum treatment to control flux of nutrients from sediment into water column.</p> <p>Implement MPs per the Agricultural Nutrient Management Plan.</p>	

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EXHIBIT 1

Region 9 – San Diego Regional Water Board CWA 319(h) Grant Preferences (2014)¹

TMDL Watershed	Implementation Projects TMDL Constituent(s), Sources		Planning Projects TMDL Constituent(s), Sources	
Shelter Island Yacht Basin	Copper 1. Passive leaching from copper based hull paints 2. Hull cleaning		Copper 1. Passive leaching from copper based hull paints 2. Hull cleaning	
Rainbow Creek	Nitrate ² 1. Orchards 2. Commercial nurseries 3. Ag fields 4. Non-Urban residential	Phosphorus ² 1. Orchards 2. Commercial nurseries 3. Ag fields 4. Non-Urban residential	Nitrate ² 1. Orchards 2. Commercial nurseries 3. Ag fields 4. Non-Urban residential	Phosphorus ² 1. Orchards 2. Commercial nurseries 3. Ag fields 4. Non-Urban residential
Beaches in San Diego Region	Indicator bacteria ³ 1. Agriculture 2. Horse ranches 3. Dairy / Livestock		Indicator bacteria ³ 1. Agriculture 2. Horse ranches 3. Dairy / Livestock	
Baby Beach Dana Point Harbor	Indicator bacteria 1. Management of bird droppings Education to discourage feeding of birds.		Indicator bacteria 1. Management of bird droppings Education to discourage feeding of birds.	

¹ Projects located within an area covered by a NPDES permit, including urban, area-wide storm water programs covering discharges from a Municipal Separate Stormwater Sewer System (MS4), and general industrial and construction storm water permits, are not, under most circumstances, eligible for Clean Water Act Section 319(h) funding. For questions regarding eligibility, please contact the appropriate Regional Water Board and U.S. EPA staff (see Attachment 2).

² Land uses are prioritized based on ambient monitoring data results and proximity to the creek. Actual load amounts from non-urban residential sources are lower in priority than agricultural land uses because the residential properties in this watershed are homes with orchards on the properties not the typical suburban neighborhood with manicured lawns and sidewalks, rendering their potential to contribute sources of nitrate and phosphorus lower than that of agriculture. Orchards are lower in priority for phosphorus because of limited phosphorus transport due to low erosion.

³ In the Lower San Juan HSA, San Luis Rey HU, San Marcos HS, and San Dieguito HA watershed agriculture, livestock, and horse ranch facilities generate more than five percent of the total wet weather load for all three indicator bacteria.